What is claimed is:

1. An image reading apparatus for reading images on documents by feeding a document one sheet at a time, comprising;

a document supply tray for stacking documents;

a transport path for sequentially feeding the documents on said supply tray;

a reading station to read images on the documents disposed in said transport path;

photoelectric conversion means for photoelectrically converting images on the documents moving over said reading station;

a discharge tray for storing the documents that have been read from said reading station;

a first transport roller disposed in front and a second transport roller disposed at back in the direction of transport of said reading station; wherein said second transport rollers are paired rollers contacting each other arranged adjacent said discharge tray;

first detection means that detects the leading edge of the document and that controls the start of reading of documents on said reading station, disposed upstream of said first transport roller; and

second detection means that detects the trailing edge of said documents and detects the transport out to said discharge tray, said second detection means is provided a stick-shaped

lever member that abuts the leading edge of documents at the position of the discharge tray from the contact point of the second transport roller.

2. An image reading apparatus according to claim 1, wherein said photoelectric conversion means comprises,

first photoelectric conversion means for reading images on one side of the document, and

second photoelectric conversion means for reading the other side of the document disposed separated distances in that order in the direction of document feeding, a focus depth of said second photoelectric conversion means being smaller than that of said first photoelectric conversion means.

3. An image reading apparatus according to claim 2, wherein said first photoelectric means is composed of an optical reduction reading sensor and said second photoelectric means is composed of a contact image sensor.

4. An image reading apparatus according to claim 2, wherein said reading station comprises a first reading station for reading one side of an document using said first photoelectric conversion elements and a second reading station for reading the other side of an document using said second photoelectric conversion means, and a third reading station is established to

stack documents, adjacent to said first reading station, at least one of the parts of said first photoelectric conversion means moves to read documents placed stationary upon said third reading station.

5. An image reading apparatus according to claim 1, wherein said reading station comprises,

first photoelectric conversion means for reading images on one surface of an document in said reading station provided in a direction of document transport; and

second photoelectric conversion means for reading the other side of said document provided in the direction of document transport after the first photoelectric conversion means separated by a predetermined distance, said first detection means controlling a start of the first photoelectric conversion means and the second photoelectric conversion means.

6. An image reading apparatus that automatically feeds documents stacked on a sheet supply tray one at a time and discharges documents to a discharge tray after reading the images on an document, comprising:

paired transport rollers to transport documents;

paired discharge rollers to discharge documents from said paired transport rollers to said discharge tray, disposed downstream of said paired transport rollers;

a reading station for reading the images on documents, arranged between said paired transport rollers and said paired discharge rollers;

photoelectric conversion means for photoelectrically converting images on said documents moving over said reading station; and

detection means for detecting documents discharged to said discharge tray by said discharge rollers, downstream of the direction of discharge of documents where said discharge rollers contact each other.

7. An image reading apparatus according to claim 6, wherein said detection means has a stick-shaped lever member that swings by the leading edge of documents discharged to said discharge tray, disposed hanging downward in the discharge outlet to said discharge tray and a sensor means to detect documents by the swinging of said lever member.

8. An image reading apparatus according to claim 7, wherein said reading station comprises a transparent glass to guide the document surface being read by said reading means, having an document guide path comprising a guide member established to said transparent glass.